Digital transition: opportunities & experiences from European cities

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EUROCITIES
1. Importance of data (of all flavours)
2. Distributed systems (even of power)
3. Cities as experts (or platforms?)
4. Integration & replication (of the new)
5. Last (and needed) repository?
6. Megacities, city diplomacy, cities competition

• Cities work with goals
Two (or three) ways to read digital transition

1. Transformation of the city administration – its operations and services
2. Creation of a favourable environment for ICT industry
3. A long-term and societal and economic transformation
### Opportunities and challenges

<table>
<thead>
<tr>
<th>Opportunities</th>
<th>Challenges</th>
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<tr>
<td>Better services for the citizens</td>
<td>New social divides</td>
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<td>More proactive and reactive cities</td>
<td>Vulnerability of city infrastructure</td>
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<td>More efficient and transparent administration</td>
<td>Privacy and security risks</td>
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<td>Enhanced citizens’ participation</td>
<td>Digital exclusion</td>
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<td>New business opportunities</td>
<td>Job destruction without job creation</td>
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<td>New and better opportunities for customers</td>
<td>Disruption of local commerce</td>
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<td>Industry 4.0/urban manufacturing</td>
<td>Lack of business models for local business</td>
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<td>Sharing economy</td>
<td>Unexpected side-effects (e.g. Uber, Airbnb)</td>
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<td>Platform(-isation) and central(-isation) of key activities</td>
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<td><em>Data management and ownership</em></td>
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Strange times

• New technologies = new infrastructure, in an era of tight budgets + demand to change the governance model → can cities react or act?

• Proposition: Cities don’t know what to do!

• Living labs, experimentation, innovation, new business models, ... is this an indirect proof to it?

• Or maybe, this is the correct reaction? A new way of thinking (process instead of result oriented)

Source: A digital compass for decision makers: toolkit
On disruptive technologies, impact and areas for action
Digital transition

Source: Blueprint for cities and regions as launch pads for digital transformation
Examples
About OuluHealth

200+ life science companies
12K+ ICT professionals

Innovative and proficient integrated health ecosystem

Finnland's health-tech export exceeds import (among only 10 countries in the world)
Rotterdam 3d
Amsterdam smart city
In 2015 & 2016 Bristol Is Open is turning-on the Platform that will support a wide range of experiments and applications. Details of what will be working when are available on this page.
Thank you!